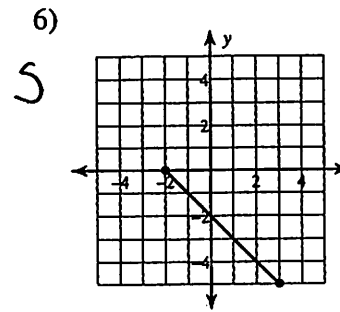
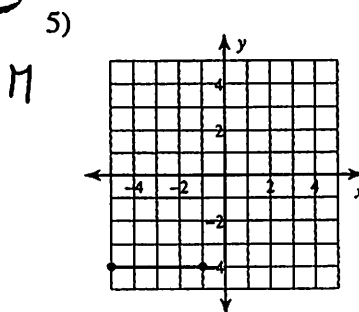
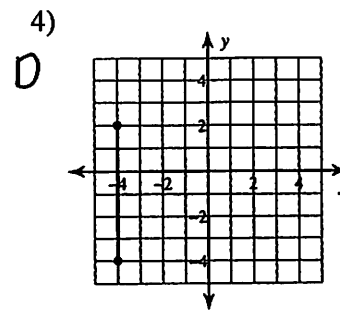
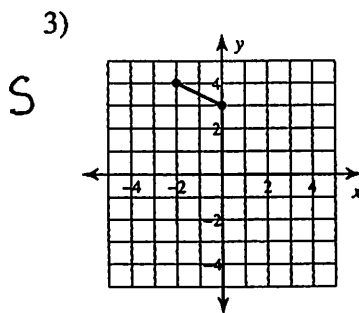
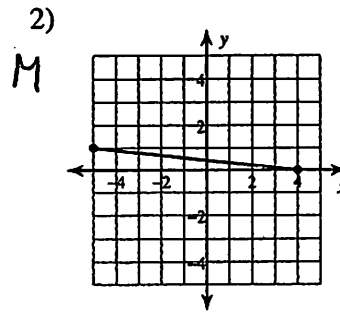
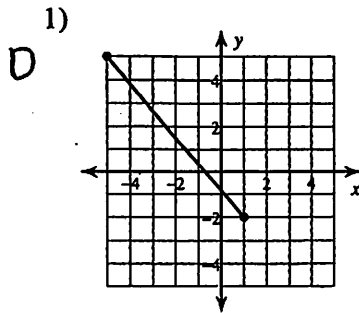


Name _____

Calculate Distance, Midpoint or Slope between the points depending on which letter is listed by each #



D 7) $(-2, 3)$, $(-7, -7)$

M 8) $(2, -9)$, $(-1, 4)$

S 9) $(5, 9)$, $(-7, -7)$

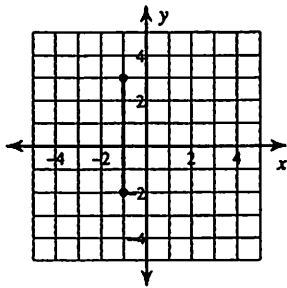
D 10) $(8, 5)$, $(-1, 3)$

M 11) $(-10, -7)$, $(-8, 1)$

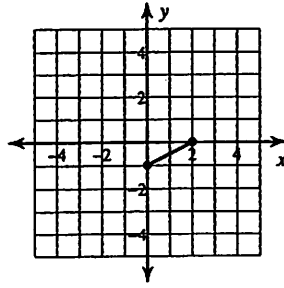
S 12) $(-6, -10)$, $(-2, -10)$

Find the distance between each pair of points.

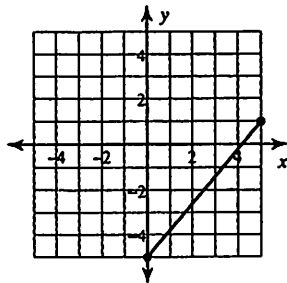
D 13)



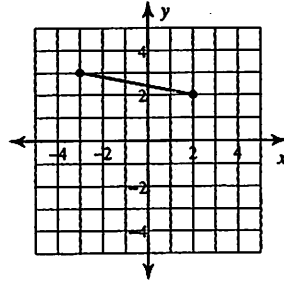
M 14)



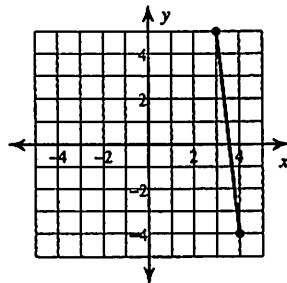
S 15)



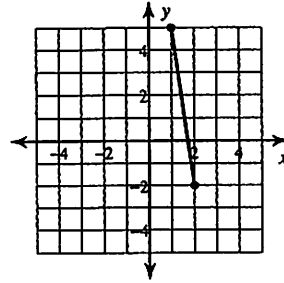
D 16)



M 17)



S 18)



D 19) $(0, -2), (-5, -1)$

M 20) $(6, 4), (-5, -1)$

S 21) $(3, 8), (9, 10)$

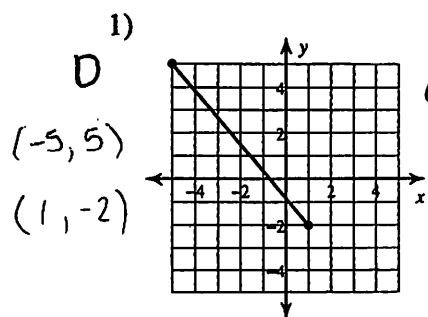
D 22) $(10, 1), (9, -4)$

M 23) $(-8, 10), (-6, 7)$

S 24) $(-5, 6), (8, -4)$

Name Key

Calculate Distance, Midpoint or Slope between the points depending on which letter is listed by each #

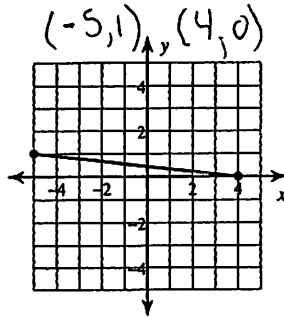


2) (-5, 1), (4, 0)
M

$$d = \sqrt{(-5-1)^2 + (5+2)^2}$$

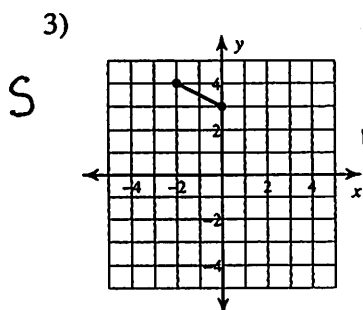
$$d = \sqrt{(-6)^2 + (7)^2}$$

$$d = \sqrt{85} = 9.2$$

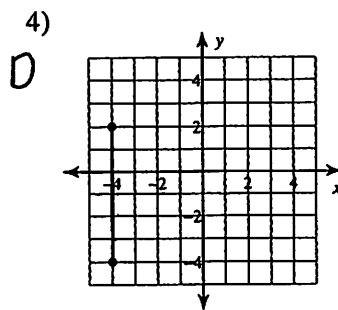


$$M = \left(\frac{-5+4}{2}, \frac{1+0}{2} \right)$$

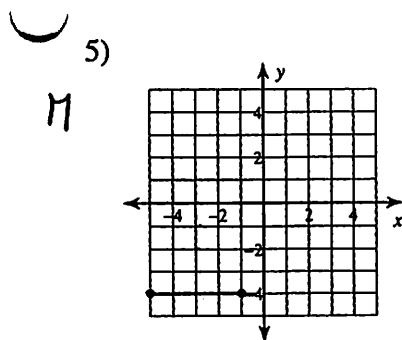
$$M = \left(-\frac{1}{2}, \frac{1}{2} \right)$$



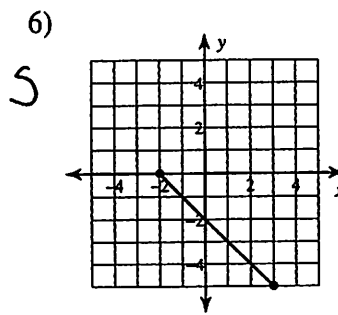
$$m = -\frac{1}{2}$$



$$d = 4$$



$$M = (-3, -4)$$



$$m = -1$$

7) (-2, 3), (-7, -7)
D

$$d = \sqrt{(-7+2)^2 + (-7-3)^2}$$

$$= \sqrt{(-5)^2 + (-10)^2}$$

$$= \sqrt{125} = 11.2$$

8) (2, -9), (-1, 4)
M

$$M = \left(\frac{1}{2}, -\frac{5}{2} \right)$$

9) (5, 9), (-7, -7)
S

$$m = \frac{-7-9}{-7-5} = \frac{-16}{-12} = \frac{4}{3}$$

10) (8, 5), (-1, 3)
D

$$d = \sqrt{(8+1)^2 + (5-3)^2}$$

$$= \sqrt{9^2 + 2^2}$$

$$= \sqrt{85} = 9.2$$

11) (-10, -7), (-8, 1)
M

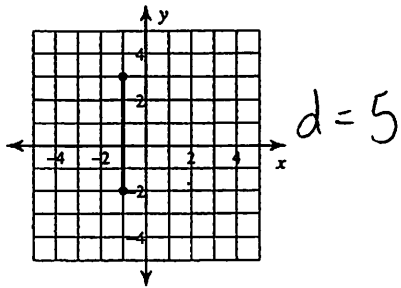
$$M = (-9, -3)$$

12) (-6, -10), (-2, -10)
S

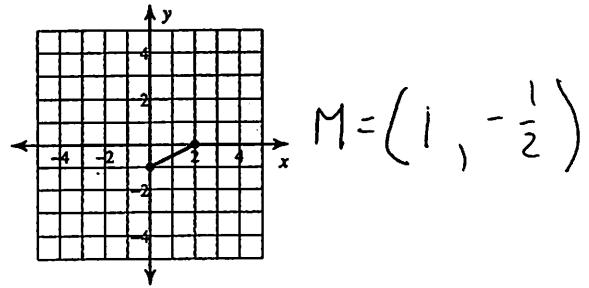
$$m = 0$$

Find the distance between each pair of points.

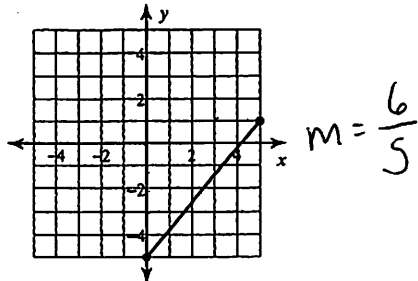
D 13)



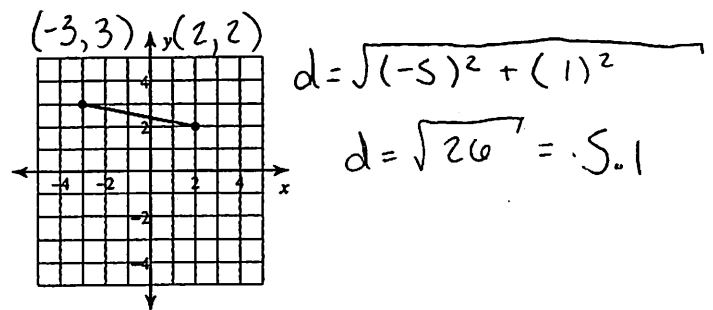
M 14)



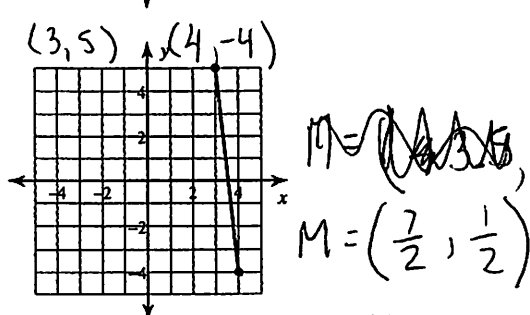
S 15)



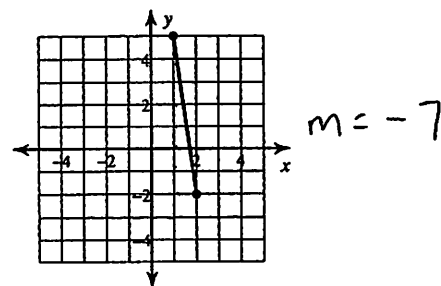
D 16)



M 17)



S 18)



D 19) (0, -2), (-5, -1) $d = \sqrt{(-5)^2 + (1)^2}$ M 20) (6, 4), (-5, -1)

$$d = \sqrt{26} = 5.1$$

$$M = \left(\frac{1}{2}, \frac{3}{2} \right)$$

S 21) (3, 8), (9, 10)

$$m = \frac{2}{6} = \frac{1}{3}$$

D 22) (10, 1), (9, -4) $d = \sqrt{(1)^2 + (5)^2}$

$$d = \sqrt{26} = 5.1$$

M 23) (-8, 10), (-6, 7)

$$M = \left(-7, \frac{17}{2} \right)$$

S 24) (-5, 6), (8, -4)

$$m = -\frac{10}{13}$$