

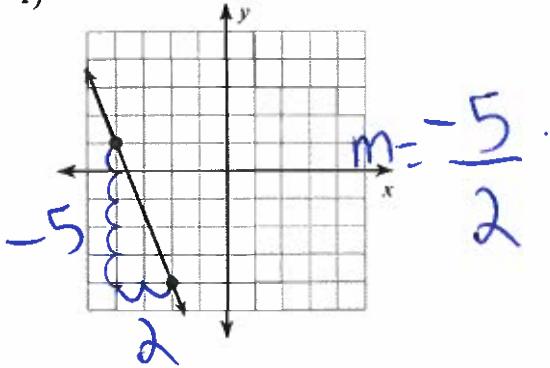
Mathématique Appliquée et Pré-Calcul 20S
 Revue : Pente

Nom : _____

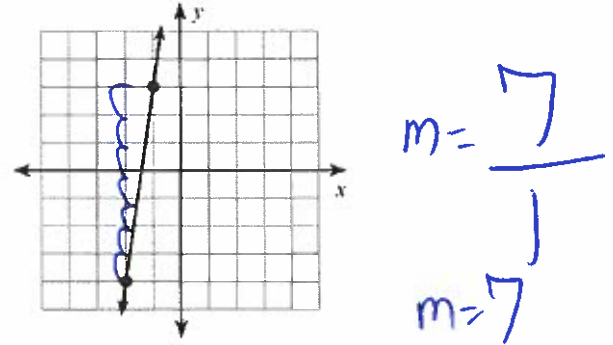
Date : _____

A) Détermine la pente de chaque segment.

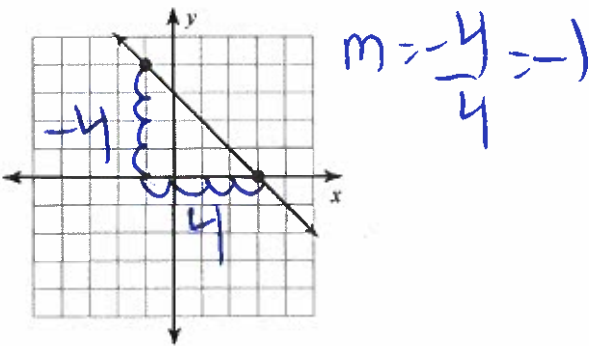
1)



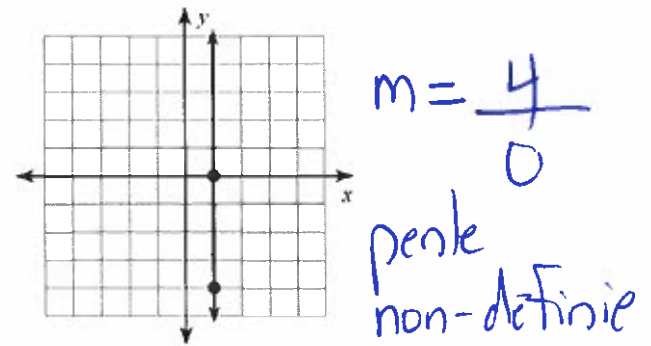
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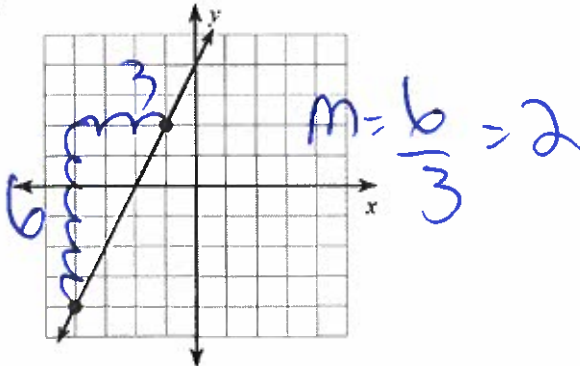
3)



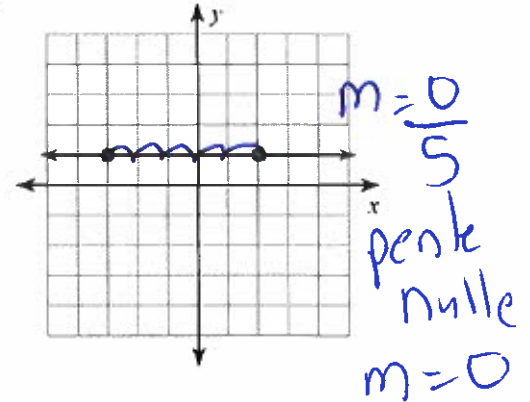
4)



5)



6)



B) Détermine la pente de chaque équation explicite.

7) $y = -\frac{1}{3}x - 4$

$m = -\frac{1}{3}$

8) $y = 2x - 2$

$m = 2$

9) $x = -1$

x change pas

penne non-défini

10) $y = \frac{3}{2}x - 3$

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

11) $y = -\frac{7}{5}x - 3$

$m = -\frac{7}{5}$

12) $y = -\frac{5}{4}x - 2$

$m = -\frac{5}{4}$

C) Détermine la pente des équations générale ci-dessous.

13) $2x - 3y + 21 = 0$

+3y +3y

$\frac{2x+21}{3} = \frac{3y}{3}$

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

$y = \frac{2}{3}x + 7$

14) $4y - 5x + 8 = 0$

+5x-8 +5x-8

$\frac{4y}{4} = \frac{5x-8}{4}$

$m = \frac{5}{4}$

$y = \frac{5}{4}x - 2$

15) $3x - 2y - 4 = 0$

+2y +2y

$\frac{3x-4}{2} = \frac{2y}{2}$

$y = \frac{3}{2}x - 2$
 $m = \frac{3}{2}$

16) $0 = -y + 2x - 4$

$y = 2x - 4$
 $m = 2$

D) Détermine la pente des coordonnées.

17) (8, 10) et (-7, 14)

$m = \frac{14-10}{-7-8} = \frac{4}{-15}$

18) (-3, 1) et (-17, 2)

$m = \frac{2-1}{-17-(-3)} = \frac{1}{-14} = -\frac{1}{14}$

19) (-20, -4) et (-12, -10)

$m = \frac{-10-(-4)}{-12-(-20)} = \frac{-6}{8} = -\frac{3}{4}$

20) (-12, -5) et (0, -8)

$m = \frac{-8-(-5)}{0-(-12)} = \frac{-3}{12} = -\frac{1}{4}$

21) (-19, -6) et (15, 16)

$m = \frac{16-(-6)}{15-(-19)} = \frac{22}{34} = \frac{11}{17}$

22) (-6, 9) et (7, -9)

$m = \frac{-9-9}{7-(-6)} = \frac{-18}{13}$

23) (-19, -20) et (-18, -15)

$m = \frac{-15-(-20)}{-18-(-19)} = \frac{5}{1} = 5$

24) (12, -18) et (11, 12)

$m = \frac{12-(-18)}{11-12} = \frac{30}{-1} = -30$