

Writing Equations Test on Wednesday, December 12th

If the problem has an ordered pair, you must check your equation ANSWER!

Writing Equations HW #1 – Wednesday, December 5th (Chapter 6 Section 4)

Transform the equation into *standard form*.

- 1) $y = 3x + 5$ 2) $y = \frac{1}{4}x - 7$ 3) $y = -x + 9$
4) $y = -\frac{7}{8}x - 10$ 5) $y = 2x - 8$ 6) $y = \frac{1}{2}x - 1$

Write an equation in slope-intercept form.

- 7) $m = -3$ and $b = -8$
8) $m = \frac{2}{5}$ and $b = -3$
9) $b = 6$ and $m = \frac{7}{8}$
10) $m = 1$ and $b = -5$
11) $b = 3$ and $m = \frac{3}{4}$

Write an equation in *standard form*.

- 12) $m = \frac{1}{2}$ and $b = 3$
13) $m = -7$ and $b = -\frac{1}{8}$
14) $m = -1$ and $b = 10$
15) $m = \frac{4}{5}$ and $b = -7$
16) $m = \frac{2}{3}$ and $b = \frac{1}{6}$

Writing Equations HW #2 – Thursday, December 6th (Chapter 6 Section 4 – Must Check)

Write an equation in slope-intercept form.

- 17) $m = \frac{7}{2}$ and $(-4, -20)$
18) $m = \frac{1}{5}$ and $(0, -6)$
19) $m = -\frac{4}{3}$ and $(-12, 20)$
20) $m = -10$ and $(2, -23)$
21) $m = \frac{3}{8}$ and $(11, 4)$

Write an equation in *standard form*.

- 22) $m = \frac{2}{5}$ and $(0, -6)$
23) $m = \frac{1}{2}$ and $(8, 12)$
24) $m = -3$ and $(-2, 0)$
25) $m = \frac{1}{3}$ and $(-18, -2)$
26) $m = -4$ and $(-2, 19)$

Writing Equations HW #3 – Friday, December 7th (Chapter 6 Section 4 – Must Check)

Write an equation in slope-intercept form.

- 27) $(-4, -1)$ and $(2, 14)$
28) $(2, 4)$ and $(-2, 8)$
29) $(7, -6)$ and $(0, -4)$
30) $(2, 12)$ and $(-5, -30)$
31) $(6, 4)$ and $(9, 5)$
32) $(-3, 21)$ and $(4, -14)$
33) $(-2, 10)$ and $(2, -26)$

Write an equation in *standard form*.

- 34) $(-6, 8)$ and $(2, 0)$
35) $(-1, 2)$ and $(3, 6)$
36) $(-11, 6)$ and $(-4, 3)$
37) $(8, 4)$ and $(11, 5)$
38) $(-2, 0)$ and $(0, -8)$
39) $(12, -33)$ and $(4, -11)$
40) $(-5, -9)$ and $(10, 12)$

Writing Equations HW #4 – Monday, December 10th (Chapter 6 Section 6)

Write an equation in slope-intercept form. (State what you are provided, will use & need to write the eq.)

- 41) \parallel to $y = 2x + 7$ through $(-4, -2)$ 50) \parallel to $4x + 3y = 3$ through $(-3, 11)$
42) \perp to $y = \frac{3}{4}x - 1$ through $(12, -15)$ 51) x-int: 1 y-int: -3
43) \parallel to $y = -x - 6$ through $(-3, -8)$ 52) x-int: -7 y-int: 8
44) \parallel to $y = -\frac{1}{8}x + 9$ through $(-8, -14)$ 53) y-int: -2 x-int: -4
45) \perp to $y = \frac{2}{5}x - 12$ through $(2, 1)$ 54) x-int: 5 y-int: -5
46) \parallel to $4y = -2x + 8$ through $(4, -3)$ 55) y-int: -6 x-int: 13
47) \perp to $x - 9y = 9$ through $(-2, -18)$
48) \perp to $3x + 7y = -7$ through $(0, -2)$
49) \perp to $2x - y = -1$ through $(14, -2)$