

Telescoped 7/8

2-8-19

HW#2 - Key

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4. $y = 10 + 3x$

Slope = 3

Y-intercept = 10

5. $y = 0.5x$

Slope = 0.5

Y-intercept = 0

6. $y = -3x$

Slope = -3

Y-intercept = 0

7. $y = -5x + 2$

Slope = -5

Y-intercept = 2

37. a) $2x + 3 = 9$
 $\quad -3 \quad -3$

 $2x = 6$
 $\frac{2x}{2} = \frac{6}{2}$

$x = 3$

b) $\frac{1}{2}x + 3 = 9$
 $\quad -3 \quad -3$

 $\frac{1}{2}x = 6$
 $\cdot 2 \quad \cdot 2$

$x = 12$

c) $x + 3 = \frac{9}{2}$
 $\quad -3 \quad -3$

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

d) $x + \frac{1}{2} = 9$
 $\quad -\frac{1}{2} \quad -\frac{1}{2}$

 $x = 8\frac{1}{2}$

e) $\frac{x+3}{2} = 9$
 $\quad \quad \quad \times 2$
 $\times 2$

 $x + 3 = 18$
 $\quad -3 \quad -3$

 $x = 15$