

Warm-Up

February 4, 2020

a) $\frac{4x}{5} + 2 = 14^{-2}$

$(5) \frac{4x}{5} = 12(5)$

$\frac{4x}{4} = \frac{60}{4}$

$x = 15$

b. $6(1 + 2n) = -18$

$6 + 12n = -18$

$\boxed{6-6} + 12n = -18-6$

$\frac{12n}{12} = \frac{-24}{12}$

$n = -2$

c. $-|(3r-6)| = -4r + 3$

$$-3^{+4r} + 6 = \boxed{-4^{+4r}} + 3$$

$$|r + 6| = 3$$

$$|r + 6 - 6| = 3 - 6$$

$$|r| = -3$$

$$r = -3$$

$$d) 20.5 - 2.2x = 7.2x$$

$$20.5 - 9.4x = 0$$

$$\boxed{20.5 - 20.5} - 9.4x = 0 - 20.5$$

$$\frac{-9.4x}{-9.4} = \frac{-20.5}{-9.4}$$

$$x = 2.2$$

$$x = 2.18$$

$$e) 7 - 6x = 2x + 1$$

$$7 - 8x = 1$$

$$\boxed{7 - 7} - 8x = 1 - 7$$

$$\frac{-8x}{-8} = \frac{-6}{-8}$$

$$x = \frac{6}{8}$$

$x = 3/4 \quad x = 0.75$

$$e) \quad 36 + 3x = 3(6x-8)$$

$$36 + 3x = 18x - 24$$

$$36 - 15x = -24$$

$$36 - 36 - 15x = -24 - 36$$

$$\frac{-15x}{-15} = \frac{-60}{-15}$$

$$x = 4$$

$$f) \frac{x}{4} = 6 \quad ; \quad x = 24$$

$$g) \frac{122}{r} = 3 \quad ; \quad r \neq 0$$

$$\frac{122}{r} = 3(r)$$

$$\frac{122}{3} = \frac{3r}{3} \quad ; \quad 3r = 122$$

$$r = 40.\underline{66}$$

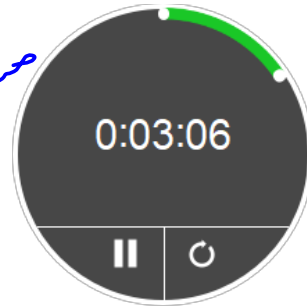
$$40.\overline{1}$$

Pg 281-282

8 a, c

#17 all

#10, #11
a, c, e Pg 514 answers
#17. a) $g = 35$ c) $h = 2.54$
b) $j = 17.5$ d) $s = 10$



Worksheet...odd questions only...answers on the back.

Do NOT MARK ON SHEET!!!