

Summer HW
(sample of how to show work)

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Summer, 2016 (date)
5/60 (period)

1.1

← label section number

(4) $0.4R$ $R=6$
 $\cdot 4(6)$
 2.4

(34) $(\frac{1}{4})^2 =$ ← write problem
 $(\frac{1}{4})(\frac{1}{4}) =$ ← show work
 $\frac{1}{16}$ ← circle answer

(SKIP LINES BETWEEN PROBLEMS)



$S=7.5$
Perimeter = $4S = 4(7.5)$
 $= 30m$

(SKIP LINES BETWEEN SECTIONS)

1.2

(18) $8[20 - (9-5)^2] =$
 $8[20 - (4)^2] =$
 $8[20 - 16] =$
 $8(4) =$
 32

GO DOWN
NOT ACROSS



1.4

(26) $2P - 1 > 7$; $P=3$
 $2(3) - 1 > 7$
 $5 > 7$ (F)

3 is not a solution

2.1

(22) order $\rightarrow -1, -\frac{3}{5}, -0.5, -0.4$



* All are rational numbers: $-1, -\frac{3}{5}, -0.5, -0.4$

* Integer: -1

* Whole number: NONE

(34) $a = 1\frac{1}{3}$

Opposite $-(1\frac{1}{3}) = -1\frac{1}{3}$

abs value $|1\frac{1}{3}| = 1\frac{1}{3}$

2.3

(24) $5.3 - (y - x) = x = 7.1 \quad y = -2.5$

$$5.3 - [(-2.5) - (7.1)] =$$

$$5.3 - [-9.6] =$$

$$5.3 + 9.6 =$$

$$14.9$$

2.4

(36) $\frac{1}{3} \left(-\frac{9}{10}\right)^3 (-m)(-m) =$

$$-\frac{3}{10} m^2$$

2.5

(24) $-3y^2 + 3y^2 - 7 + 9$

TERMS: $-3y^2, 3y^2, -7, 9$
COEF'S: $-3, 3$
CONSTANTS: $-7, 9$
LIKE TERMS $-3y^2 + 3y^2$
 $-7 + 9$

(36) $-6(v+1) + v =$
 $-6v - 6 + v =$
 $-5v - 6$

2.6

(18) $-1/5 \div -6 =$
 $-1/5 \cdot -1/6 =$
 $1/30$

(44) $\frac{2y-x}{x}; x=1, y=-4$
 $\frac{2(-4) - (1)}{1} =$
 $\frac{-8 + -1}{1} =$
 -9

2.7

(20) $\sqrt{40} \approx 6$
 $\frac{\sqrt{36}}{6} \quad \frac{\sqrt{49}}{7}$

(28) order \rightarrow
 $-8/3, -\sqrt{5}, -1.5, \sqrt{5}, 2.6$
All real: $-8/3, -\sqrt{5}, -1.5, \sqrt{5}, 2.6$
RAT: $-8/3, -1.5, 2.6$
IRRAT: $-\sqrt{5}, \sqrt{5}$
INTEGERS: NONE
WHOLE NUMBERS: NONE

3.1

46

$$\left(\frac{5}{8}\right)^{\cancel{8}} \frac{1}{5} x = \frac{\cancel{4}}{3 \cancel{18}} \left(\frac{5}{\cancel{8}}\right)^2$$

$$x = \frac{1}{6}$$

Show check

$$C: \left(\frac{8}{5}\right) \left(\frac{1}{6}\right) = \frac{4}{15}$$

$$\frac{8}{30} = \frac{4}{15}$$

$$\frac{4}{15} = \frac{4}{15} \checkmark$$

3.3

$$(16) \quad 27 = 3C - 3(6 - 2C)$$

$$27 = 3C - 18 + 6C$$

$$27 = 9C - 18$$

$$+18 \qquad +18$$

$$\frac{45}{9} = \frac{9C}{9}$$

$$C = 5$$

$$C: 27 = 3(5) - 3(6 - 2(5))$$

$$27 = 15 - 3(-4)$$

$$27 = 15 + 12$$

$$27 = 27 \checkmark$$

3.4

$$(14) \quad 5(N+2) = \frac{3}{5}(5+10N)$$

$$5N + 10 = 3 + 6N$$

$$-5N \qquad -5N$$

$$10 = 3 + N$$

$$-3 \quad -3$$

$$N = 7$$

$$C: 5(7+2) = \frac{3}{5}(5+10(7))$$

$$5(9) = \frac{3}{5}(75)$$

$$45 = 45 \checkmark$$