

# Unit 3 Review Odds

1.  $= 4$

5.  $\frac{2}{15}$

3.  $= 14^2$

7.  $2(6) + 9$   
 $12 + 9$   
 $21$

9.  $3\sqrt{25} - 24$   
 $3(5) - 24$   
 $15 - 24$   
 $-9$

11.  $3$

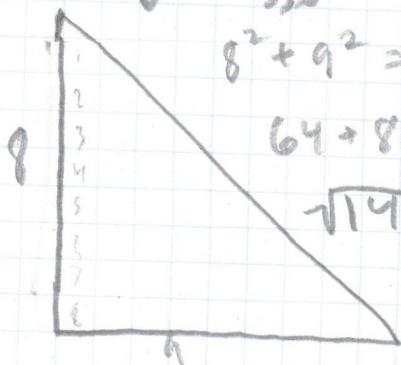
13.  $-\frac{5}{2}$

15.  $2(8) + 10$   
 $16 + 10$   
 $26$

17.  $\sqrt[3]{(3x-2)} = 343$   
 $3x-2 = 7$   
 $3x = 9$   
 $x = 3$

19.  $4.8^2 + b^2 = 7.3^2$   
 $23.04 + b^2 = 53.29$   
 $\sqrt{b^2} = \sqrt{30.25}$   
 $b = 5.5$

21.



$8^2 + 9^2 = c^2$   
 $64 + 81 = c^2$   
 $\sqrt{145} = \sqrt{c^2}$   
 $12 \approx c$

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23.  $a = 3$

$b = 2.8$

$$\begin{array}{r} 18 \\ + 2.9 \\ \hline 20.9 \\ + 2.61 \\ \hline 23.51 \\ + 2.90 \\ \hline 26.41 \end{array}$$

$$\begin{array}{r} 16 \\ + 2.9 \\ \hline 18.9 \\ + 2.24 \\ \hline 21.14 \end{array}$$

25.  $\sqrt{113}$

$a = 3$

$b = 3.4$

$\sqrt{11.46}$

$\sqrt{9}$

$\sqrt{16.76}$

$\sqrt{16}$

$$\begin{array}{r} 0.46 \\ 15 \overline{) 7.0} \\ \underline{6.0} \\ 1.00 \\ \underline{9.8} \\ 20 \end{array}$$

$$\begin{array}{r} 0.32 \\ \underline{3.2} \\ + 0.64 \\ \hline 9.60 \\ \hline 10.24 \end{array}$$

$$\begin{array}{r} 3.3 \\ \underline{3.3} \\ + .99 \\ \hline 4.90 \\ \hline 10.89 \end{array}$$

$$\begin{array}{r} 3.4 \\ \underline{3.4} \\ + 1.36 \\ \hline 10.20 \\ \hline 11.56 \end{array}$$

27.  $-\sqrt{18} > -6$ ,  $-\sqrt{18}$  is a decimal & is greater because of its negative symbol

29.  $10_{yd}^2 + 14_{yd}^2$

$100_{yd^2} + 196_{yd^2}$

$18^2$

$324$

$396_{yd^2} \neq 324_{yd^2}$  not a right  $y$

31.  $4_m^2 + 4.2_m^2$

$16_m^2 + 17.64_m^2$

$33.64_m^2$

$5.8_m^2$

$35.04_m^2$

$35.04_m^2$

$$\begin{array}{r} 4.2 \\ \underline{4.2} \\ + .84 \\ \hline 16.90 \\ \hline 17.64 \end{array}$$

$$\begin{array}{r} 5.8 \\ \underline{5.8} \\ + .64 \\ \hline 29.00 \\ \hline 35.04 \end{array}$$

# Unit 3 Review Odds

$$33. x = \sqrt{(-3-2)^2 + (6-1)^2}$$

$$x = \sqrt{25 + 25}$$

$$x = \sqrt{50}$$

$$35. x = \sqrt{(-5+9)^2 + (-8-3)^2}$$

$$x = \sqrt{16 + 121}$$

$$x = \sqrt{137}$$