

Review Unit Extra Study Problems - look up problems on given pages; check answers here!

p. 938: 4, 12, 16

$$4. \frac{7}{12} - \frac{3}{8}$$

$$\frac{14}{24} - \frac{9}{24}$$

$$\left(\frac{5}{24}\right)$$

$$12. 9 + 6 \div 3$$
$$9 + 3$$

$$\left(12\right)$$

$$16. \frac{3}{5} [27 - (2 + 5)]^2$$

$$\frac{3}{5} [27 - 7]^2$$

$$\frac{3}{5} [20]^2$$

$$\frac{3}{5} \cdot \frac{400}{1} = \left(240\right)$$

p. 939: 21, 49

$$21. -\frac{1}{3} - \left(-\frac{3}{4}\right)$$

$$-\frac{1}{3} + \frac{3}{4}$$

$$-\frac{4}{12} + \frac{9}{12}$$

$$\left(\frac{5}{12}\right)$$

$$49. \frac{-56}{1} \div -\frac{7}{8}$$

$$\frac{-56}{1} \cdot \frac{-8}{7} = \left(64\right)$$

p. 940: 24, 26, 36, 38, 46

$$24. 3(2y - 5) = 4y - 7$$

$$6y - 15 = 4y - 7$$

$$2y = 8$$

$$\left(y = 4\right)$$

$$26. 3x - 3 = \frac{3}{4}(2x + 12)$$

$$3x - 3 = \frac{6}{4}x + \frac{36}{4}$$

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

$$6x - 6 = 3x + 18$$

$$3x = 24$$

$$\left(x = 8\right)$$

$$36. \frac{6x}{4} = \frac{18}{12}$$

$$72x = 72$$

$$x = 1$$

$$38. \frac{y+5}{y} = \frac{10}{8}$$

$$8y+40=10y$$

$$40=2y$$

$$y=20$$

$$46. \frac{x}{100} = \frac{36}{125}$$

$$125x = 36000$$

$$x = 24$$

$$24\%$$

p. 942 : 11, 26

$$11. (1, -2)(-2, 13)$$

$$m = \frac{13+2}{-2-1}$$

$$m = \frac{15}{-3}$$

$$m = -5$$

$$-2 = -5(1) + b$$

$$-2 = -5 + b$$

$$3 = b$$

$$y = -5x + 3$$

$$26. m_{\perp} = -\frac{5}{3}$$

$$-11 = -\frac{5}{3}\left(\frac{5}{1}\right) + b$$

$$-11 = -25 + b$$

$$14 = b$$

$$y = -\frac{5}{3}x + 14$$