

Intermediate Algebra
University of North Georgia
Fall 2015
Quiz #2b

Name: Key Date: September 2, 2015

Solve

LCB: 3

$$1. \quad 3 \left(\frac{-2(t+8)}{3} - 7t = 5(t-2) + 4t \right)$$

$$-2t - 16 - 21t = 5t - 10 + 4t$$

$$-23t - 16 = 9t - 10$$

$$14 = 32t$$

$$\frac{14}{32} = t$$

$$\boxed{\frac{7}{16} = t}$$

$$2. \quad 60 \left(\frac{3x}{4} + 7 = \frac{8}{5} - \frac{x}{3} \right) \quad \text{LCB: } 60$$

$$45x + 420 = 96 - 20x$$

$$65x = -324$$

$$\boxed{x = -\frac{324}{65}}$$