



**2-74. See below.**

- a.  $8x^2 - 26x - 7$
- b.  $10x^2 + 31x - 14$
- c.  $4x^2 - 47x + 33$
- d.  $-6x^2 + 17x - 5$

**2-75.** area = 28 square feet

**2-76. See below.**

- a.  $x = 8^\circ$ , right angle is  $90^\circ$
- b.  $x = 20^\circ$ , straight angle is  $180^\circ$
- c.  $x = 20^\circ$ , sum of angles is  $180^\circ$
- d.  $x = 60^\circ$ , sum of angles is  $180^\circ$

**2-77.** Daniel is correct because the definition of a rectangle is a quadrilateral with four right angles. Since a square has four sides and four right angles, it must be a rectangle.

**2-78. See below.**

- a.  $\frac{22}{35} = 62.9\%$
- b.  $\frac{22}{35} = \frac{42}{?}$  ; she needs to attempt about 67 pancakes.
- c. She should add three banana pancakes to make the probability of banana  $\frac{3}{30}$ .