Review Solving (1st day back from winter break)

Warmup
(on your whiteboards)

Write each fraction in its simplest form:

1. $\frac{16}{20}$ 2. $\frac{14}{21}$ 3. $\frac{33}{121}$ 4. $\frac{56}{80}$

Solve each by factoring

1. $x^2 - 5x - 24 = 0$
2. $x^2 - 5x + 6 = 0$
3. $x^2 - 6x = 16$

Solve each using the quadratic formula

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

1. $2x^2 + 3x - 5 = 0$
2. $2x^2 + 4x - 21 = 0$

Solve each proportion

1. $\frac{x}{6} = \frac{14}{3}$
2. $\frac{2}{x} = \frac{3}{9}$
3. $\frac{-4}{9} = \frac{7}{x}$
4. $\frac{10}{h} = \frac{52}{13}$
5. $\frac{x+3}{12} = \frac{7}{2}$
6. $\frac{3}{14} = \frac{x-2}{21}$