

**Lesson 5.5 Worksheet**

Solve each equation. Remember to check for extraneous solutions.

$$1) \frac{1}{2b} + \frac{1}{3b^2} = \frac{1}{b}$$

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$$2) \frac{1}{6x} - \frac{1}{6x^2} = \frac{1}{2x}$$

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$$3) \frac{1}{x} + \frac{1}{x^2} = \frac{1}{5x}$$

$$4) \frac{1}{n^2+9n+18} + \frac{1}{n+3} = \frac{5}{n^2+9n+18}$$

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$$5) \frac{m-3}{m^2-5m-6} + \frac{1}{m+1} = \frac{m+4}{m^2-5m-6}$$

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$$6) \frac{k+2}{k^2-3k} - \frac{1}{k} = \frac{k+3}{k^2-3k}$$