

Exam 1A

| Question # | Green Form Fall 2011 | Answer |
|------------|-------------------------|---|
| 1 | D | $\frac{x}{y}$ |
| 2 | A | $-\frac{x^6}{27}$ |
| 3 | D | $\frac{y^4}{5x}$ |
| 4 | E | $-3x^2yz^3 \left(\sqrt[3]{xz^2} \right)$ |
| 5 | A | $16x^2 - 24xy + 9y^2$ |
| 6 | B | $x + 2$ |
| 7 | B | $\frac{3x + 2}{x(x - 2)}$ |
| 8 | E | $r + s$ |
| 9 | D | $x = -\frac{12}{5}$ |
| 10 | D | There is no solution for x |
| 11 | D | $K = \frac{1}{B - 1}$ |
| 12 | B | $x = 3 \pm 2\sqrt{5}$ |
| 13 | D | 25 mph |
| 14 | D | $\frac{60}{7} \text{ ml}$ |
| 15 | D | $1 \text{ hour and } 15 \text{ minutes}$ |