

EXERCISE SET 8.5

$$1. \frac{A}{(x-3)} + \frac{B}{(x+4)}$$

$$3. \frac{2x-3}{x^2(x-1)} = \frac{A}{x} + \frac{B}{x^2} + \frac{C}{x-1}$$

$$5. \frac{A}{x} + \frac{B}{x^2} + \frac{C}{x^3} + \frac{Dx+E}{x^2+2}$$

$$2. \frac{5}{x(x-2)(x+2)} = \frac{A}{x} + \frac{B}{x-2} + \frac{C}{x+2}$$

$$4. \frac{A}{x+2} + \frac{B}{(x+2)^2} + \frac{C}{(x+2)^3}$$

$$6. \frac{A}{x-1} + \frac{Bx+C}{x^2+6}$$