- 1.  $3y\sqrt{(5x+2)}\sqrt{}$
- 2.  $2x^2 \checkmark (4x^2y + 9x + 7y^3) \checkmark$
- 3.  $3x\sqrt{(2x^3-5x+6y)}\sqrt{}$
- 4.  $3yz\sqrt{(4y^2+5yz+z^3)}\sqrt{}$
- 5.  $5x\sqrt{(3x^2+2xy+y^2)}\sqrt{}$
- 6.  $3x\sqrt{(2x^3-3x+4y)}\sqrt{}$
- 7.  $7x^2 \checkmark (x^2y + 2x + 7y^3) \checkmark$
- 8.  $5x\sqrt{(x^3-3x+4y)}\sqrt{}$
- 9.  $9yz\sqrt{(2y^2+5yz+4z^3)}\sqrt{}$
- 10.  $4x\sqrt{(3x^3-2x+7y)}$

## Activity 1.2.1: Factoring Polynomials with Common **Monomial Factor**

Total points = 20

#### Answers

- 1.  $3y\sqrt{(5x+2)}\sqrt{}$
- 2.  $2x^2 \checkmark (4x^2y + 9x + 7y^3) \checkmark$
- 3.  $3x\sqrt{(2x^3-5x+6y)}\sqrt{}$
- 4.  $3yz\sqrt{(4y^2+5yz+z^3)}\sqrt{}$
- 5.  $5x\sqrt{(3x^2+2xy+y^2)}\sqrt{}$
- 6.  $3x\sqrt{(2x^3-3x+4y)}\sqrt{}$
- 7.  $7x^2 \checkmark (x^2y + 2x + 7y^3) \checkmark$
- 8.  $5x\sqrt{(x^3-3x+4y)}\sqrt{}$
- 9.  $9yz\sqrt{(2y^2+5yz+4z^3)}\sqrt{}$
- 10.  $4x\sqrt{(3x^3-2x+7y)}\sqrt{}$

# Activity 1.2.1: Factoring Polynomials with Common **Monomial Factor**

Total points = 20

## Answers

- 1.  $3y\sqrt{(5x+2)}\sqrt{}$
- 2.  $2x^2 \checkmark (4x^2y + 9x + 7y^3) \checkmark$
- 3.  $3x\sqrt{(2x^3-5x+6y)}\sqrt{}$
- 4.  $3yz\sqrt{(4y^2+5yz+z^3)}\sqrt{}$
- 5.  $5x\sqrt{(3x^2+2xy+y^2)}\sqrt{}$
- 6.  $3x\sqrt{(2x^3-3x+4y)}\sqrt{}$
- 7.  $7x^2 \checkmark (x^2y + 2x + 7y^3) \checkmark$
- 8.  $5x\sqrt{(x^3-3x+4y)}\sqrt{}$
- 9.  $9yz\sqrt{(2y^2+5yz+4z^3)}\sqrt{}$
- 10.  $4x\sqrt{(3x^3-2x+7y)}\sqrt{}$

# Activity 1.2.1: Factoring Polynomials with Common **Monomial Factor**

Total points = 20

# Answers

- 1.  $3y\sqrt{(5x+2)}\sqrt{}$
- 2.  $2x^2 \checkmark (4x^2y + 9x + 7y^3) \checkmark$
- 3.  $3x\sqrt{(2x^3-5x+6y)}\sqrt{}$
- 4.  $3yz\sqrt{(4y^2+5yz+z^3)}\sqrt{}$
- 5.  $5x\sqrt{(3x^2+2xy+y^2)}\sqrt{}$
- 6.  $3x\sqrt{(2x^3-3x+4y)}\sqrt{}$
- 7.  $7x^2 \checkmark (x^2y + 2x + 7y^3) \checkmark$ 8.  $5x\sqrt{(x^3-3x+4y)}\sqrt{}$
- 9.  $9yz\sqrt{(2y^2+5yz+4z^3)}\sqrt{}$
- 10.  $4x\sqrt{(3x^3-2x+7y)}\sqrt{}$

### **Answers**

- 1.  $3y\sqrt{(5x+2)}\sqrt{}$
- 2.  $2x^2 \checkmark (4x^2y + 9x + 7y^3) \checkmark$
- 3.  $3x\sqrt{(2x^3-5x+6y)}\sqrt{}$
- 4.  $3yz\sqrt{(4y^2+5yz+z^3)}\sqrt{}$
- 5.  $5x\sqrt{(3x^2+2xy+y^2)}\sqrt{}$
- 6.  $3x\sqrt{(2x^3-3x+4y)}\sqrt{}$
- 7.  $7x^2 \checkmark (x^2y + 2x + 7y^3) \checkmark$
- 8.  $5x\sqrt{(x^3-3x+4y)}\sqrt{}$
- 9.  $9yz\sqrt{(2y^2+5yz+4z^3)}\sqrt{}$
- 10.  $4x\sqrt{(3x^3-2x+7y)}$

### Activity 1.2.1: Factoring Polynomials with Common **Monomial Factor**

Total points = 20

#### **Answers**

- 1.  $3y\sqrt{(5x+2)}\sqrt{}$
- 2.  $2x^2 \checkmark (4x^2y + 9x + 7y^3) \checkmark$
- 3.  $3x\sqrt{(2x^3-5x+6y)}\sqrt{}$
- 4.  $3yz\sqrt{(4y^2+5yz+z^3)}\sqrt{}$
- 5.  $5x\sqrt{(3x^2+2xy+y^2)}\sqrt{}$
- 6.  $3x\sqrt{(2x^3-3x+4y)}\sqrt{}$
- 7.  $7x^2 \checkmark (x^2y + 2x + 7y^3) \checkmark$
- 8.  $5x\sqrt{(x^3-3x+4y)}\sqrt{}$
- 9.  $9yz\sqrt{(2y^2+5yz+4z^3)}\sqrt{}$ 10.  $4x\sqrt{(3x^3-2x+7y)}\sqrt{}$

## Activity 1.2.1: Factoring Polynomials with Common **Monomial Factor**

Total points = 20

# Answers

- 1.  $3y\sqrt{(5x+2)}\sqrt{}$
- 2.  $2x^2 \checkmark (4x^2y + 9x + 7y^3) \checkmark$
- 3.  $3x\sqrt{(2x^3-5x+6y)}\sqrt{}$
- 4.  $3yz\sqrt{(4y^2+5yz+z^3)}\sqrt{}$
- 5.  $5x\sqrt{(3x^2+2xy+y^2)}\sqrt{}$
- 6.  $3x\sqrt{(2x^3-3x+4y)}\sqrt{}$
- 7.  $7x^2 \checkmark (x^2y + 2x + 7y^3) \checkmark$
- 8.  $5x\sqrt{(x^3-3x+4y)}\sqrt{}$
- 9.  $9yz\sqrt{(2y^2+5yz+4z^3)}\sqrt{}$
- 10.  $4x\sqrt{(3x^3-2x+7y)}$

## Activity 1.2.1: Factoring Polynomials with Common **Monomial Factor**

Total points = 20

# **Answers**

- 1.  $3y\sqrt{(5x+2)}\sqrt{}$
- 2.  $2x^2 \checkmark (4x^2y + 9x + 7y^3) \checkmark$
- 3.  $3x\sqrt{(2x^3-5x+6y)}\sqrt{}$
- 4.  $3yz\sqrt{(4y^2+5yz+z^3)}\sqrt{}$
- 5.  $5x\sqrt{(3x^2+2xy+y^2)}\sqrt{}$
- 6.  $3x\sqrt{(2x^3-3x+4y)}\sqrt{}$
- 7.  $7x^2 \checkmark (x^2y + 2x + 7y^3) \checkmark$ 8.  $5x\sqrt{(x^3-3x+4y)}\sqrt{}$
- 9.  $9yz\sqrt{(2y^2+5yz+4z^3)}\sqrt{}$
- 10.  $4x\sqrt{(3x^3-2x+7y)}\sqrt{}$