

# P.E.R.T. Math

## Module 14 Quiz

1. Factor:  $15a^5 b^6 - 20a^5 b^3$
- a)  $3a^5 b^3 (5b^3 - 4)$       c)  $5a^5 b^3 (3b^3 - 4)$   
b)  $5a^5 b^6 (3 - 4b^3)$       d)  $5a^5 b^3 (3ab^2 - 4ab)$
2. Which of the following is a factor of  $6y^2 + y - 15$  ?
- a)  $3y + 5$       b)  $2y + 3$       c)  $6y + 3$       d)  $y - 15$
3. Solve for  $x$ :  $x^2 - 5x = 24$
- a) -3 and 8      b) -6 and 4      c) -8 and 3      d) 2 and -12
4. Factor:  $18xy^5 + 9xy^4 + 9xy$
- a)  $3xy (6y^4 + 3y^3 + 3)$       c)  $9xy (2y^4 + y^3)$   
b)  $9xy (2y^4 + y^3 + 1)$       d)  $9xy (y^4 + y^3 + 1)$
5. Which of the following is a factor of  $3rs - s + 12r - 4$  ?
- a)  $3r + 1$       b)  $s + 4$       c)  $2r - 3$       d)  $2s + 4$

### Answer Key

- 1. C**  
**2. A**  
**3. A**  
**4. B**  
**5. B**