

Factoring- STATION 1

Date _____ Period _____

Factor each completely.

1) $125x^2 + 400xy + 320y^2$

2) $360x^2 + 600xy + 250y^2$

3) $500v^3 - 1100v^2u + 605vu^2$

4) $338x^2v - 8y^2v$

5) $1728x^2 + 1452y^2$

6) $1573xa^2 - 2288xab + 832xb^2$

7) $54x^2 - 36xy + 6y^2$

8) $6x^2 - 384y^2$

9) $8x^2 - 1152y^2$

10) $225x^2 - 144y^2$

Answers to Factoring- STATION 1 (ID: 1)

- | | | |
|-----------------------------|--------------------------|--------------------------|
| 1) $5(5x + 8y)^2$ | 2) $10(6x + 5y)^2$ | 3) $5v(10v - 11u)^2$ |
| 4) $2v(13x + 2y)(13x - 2y)$ | 5) $12(144x^2 + 121y^2)$ | 6) $13x(11a - 8b)^2$ |
| 7) $6(3x - y)^2$ | 8) $6(x + 8y)(x - 8y)$ | 9) $8(x + 12y)(x - 12y)$ |
| 10) $9(5x + 4y)(5x - 4y)$ | | |