

MPM2D - SERPE  
FACTORIZING - QUIZ #1

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K	C
7 / 8	2 / 2

1. Factor, if possible.

a)  $5x + 25$

$$= 5(x+5)$$

b)  $4ax + 8ay - 6az$

$$= 2a(2x + 4y - 3z)$$

2/2

2. Factor, if possible.

a)  $24xy^2 - 16x^2y$

$$= 8xy(3y - 2x)$$

b)  $6m^3n^2 + 18m^2n^3 - 12mn^2$

$$= 6mn^2(m^2 + 3mn - 2)$$

2/2

3. Factor, if possible.

a)  $4y(p+q) - x(p+q)$

$$= (4y-x)(p+q)$$

b)  $3t(x-y) - (x+y)$

$$= (3t-1)(x-y)$$

1/2

4. Factor, if possible.

a)  $xy + 12 + 4x + 3y$

$$= xy + 3y + 12 + 4x$$

$$= y(x+3) + 4(3+x)$$

$$= (y+4)(x+3)$$

b)  $5m^2t - 10m^2 + t^2 - 2t$

$$= 5m^2(t-2) + t(t-2)$$

$$= (5m^2 + t)(t-2)$$

2/2