Factoring the Difference of Two Squares
Name: $\qquad$

1. $f=25(x-5)(x+5)$
$2, x^{2}-4 \frac{(y-8)(y+8)}{(y)}$
3.4 $4-9)^{2}(2 x-3 y)(2 x+3 y)$
2. ${ }^{16-49 a^{2}} \frac{(4-7 a)(4+7 a)}{\left(x^{2}+8\right)\left(x^{2}-8\right)}$

3. $x^{-\frac{1}{4}} \frac{(x-1 / 2)(x+1 / 2)}{2}$
4. $14 x^{2}-212 x^{2}-\frac{(12 x-11 y)(12 x+11 y)}{\left(9 x^{2}\right.}$

${ }^{15} 5.3 x^{2}-1 \frac{(6 x-1)(6 x+1)}{}$
5. $16-9 x^{2}(4-3 x)(4+3 x)$
6. $19+3 \times\left(x^{2}-49\right)=(x-7)(x+7)$
7. $182 y y^{2}-2 z^{2} \frac{(13 x y-5 z)(13 x y+5 z)}{\left(2 x^{2}-3\right)}$
19.4x-9, $\frac{\left(2 x^{2}-3 y^{3}\right)\left(2 x^{2}+3 y^{3}\right)}{}$
8. $x^{2}-25\left(x^{4}-15\right)\left(x^{4}+15\right)$
