

7

$$\frac{x^2 y^2}{u^2} + 18 \frac{xy}{u} + 80$$

$$\underline{=} u^2 + 18u + 80$$

$$\underline{\underline{=}} (u+8)(u+10)$$

$$\underline{\underline{=}} (xy+8)(xy+10)$$

8

$$19n - 21 + 12n^2$$

$$12n^2 + 19n - 21$$

$$\underline{12n^2 + 28n - 9n - 21}$$

$$\text{psd } 4n(3n+7) - 3(3n+7)$$

$$(3n+7)(4n-3)$$

$$ac = 12(21) = 252$$

P	≤	Q
1.252	253	251
2.126	128	124
3.24	87	81
4.63	67	59
6.42	48	36
7.36	43	29
<u>9.28</u>	37	<del>10</del> 19
12.21	33	9
14.18	30	4

9

$$-100X - 5X^3 - 45X^2$$

$$-5X^3 - 45X^2 - 100X$$

$$-5X(X^2 + 9X + 20) \quad \text{GCF}$$

$$-5X(X+4)(X+5) \quad \text{psd}$$