Dividing Polynomials Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Date \_\_\_\_\_\_\_\_ Period \_\_\_

**Divide.**

1) $\left(m^{2}-7m-11\right)÷\left(m-8\right)$ (2) $\left(n^{2}-n-29\right)÷\left(n-6\right)$

3) $\left(n^{2}+10n+18\right)÷\left(n+5\right)$ (4) $\left(k^{2}-7k+10\right)÷\left(k-1\right)$

5) $\left(n^{2}-3n-21\right)÷\left(n-7\right)$ (6) $\left(a^{2}-28\right)÷\left(a-5\right)$

7) $\left(r^{2}+14r+38\right)÷\left(r+8\right)$ (8) $\left(x^{2}+5x+3\right)÷\left(x+6\right)$

9) $\left(2x^{2}-17x-38\right)÷\left(2x+3\right)$ (10) $\left(42x^{2}-33\right)÷\left(7x+7\right)$

11) $\left(x^{2}-74\right)÷\left(x-8\right)$ (12) $\left(2p^{2}+7p-39\right)÷\left(2p-7\right)$

13) $\left(n^{3}+7n^{2}+14n+3\right)÷\left(n+2\right)$ (14) $\left(p^{3}-10p^{2}+20p+26\right)÷\left(p-5\right)$

15) $\left(v^{3}-2v^{2}-14v-5\right)÷\left(v+3\right)$ (16) $\left(x^{3}-13x^{2}+40x+18\right)÷\left(x-7\right)$

17) $\left(5^{3}-30k-18-4k^{2}÷\left(3+k\right)\right)$ (18) $\left(-5k^{2}+k^{3}+8k+4\right)÷\left(-1+k\right)$

19)$ \left(x^{3}+5x^{2}-32x-7\right)÷\left(x-4\right)$ (20) $\left(50k^{3}+10k-35k-7\right)÷\left(5k-4\right)$