

INTENSIVE MATHEMATICS (PBM1035)
Session December 2017
SELF-EXERCISE 7

Instructions

- Answer ALL questions. Write your answers in the spaces provided.
- Show your working. You may use a non-programmable scientific calculator.

Divide.

1. $(18r^5 + 36r^4 + 27r^3) \div 9r$
2. $(20n^3 + 20n^2 + n) \div 10n^2$
3. $(p^2 + p - 79) \div (p + 9)$
4. $(x^3 + 10x^2 + 13x + 36) \div (x + 9)$
5. $(10a^2 + 53a - 37) \div (10a - 7)$
6. $(x^2 + 3x - 44) \div (x - 6)$
7. $(b^3 + 13b^2 + 42b + 54) \div (b + 9)$
8. $(90c^3 + 145c^2 + 77c + 29) \div (9c + 10)$
9. $(3k^2 - 18k - 46) \div (3k + 6)$
10. $(x^2 + 3x - 44) \div (x - 6)$