MTH 3-14a Homework 5 Gold Level

Outcome 1

Gathering Like Terms

Simplify the following expressions…

1. $6y^2 - 3y^2 + 9y^2$
2. $2m^3 + 10m^3 - 7m^3$
3. $7c^2 - 4c + 3c^2 + 8c$
4. $7s^3 + 4s + 5s^3 - 6s$
5. $6p^2 - 7p - 9p^2 + 8p$
6. $10u^3 - 8u^2 + 7u^3$
7. $d \times d$
8. $p \times 11p$
9. $8h \times 5h$
10. $6b^2 \times 3b$

Outcome 2

Substitution

If $p = -1$, $q = -4$ and $r = 49$, calculate:-

1. $3p + r$
2. $2q - 4$
3. $4p + 5q$
4. $6q - p$
5. q^2
6. p^3
7. $7p^2$
8. $2q^3$
9. $p^2 + q^2$
10. $\sqrt{r}$