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## **BASIC ALGEBRA**

| Exercise 2.2                 |   |  |   |  |
|------------------------------|---|--|---|--|
| I) Given that                | P = Q(Q-R)  | Find <i>P</i> in each  | of the fo   | lowing cases:                                  |
| a) When $Q = 2$              | 2 <i>R</i><br>, <i>R</i> = - 4                              |  | C) when   | Q = -3/4, R = 1/2                              |
| ) When Q= 1/3, I             | R= -3/4   |  | d) When   | Q = -3/4, R = 1/2                              |
| that $E = \frac{m}{2g}(v^2)$ | $(u^2 - u^2)$ find P  | in each of the   | e followi   | ng cases:                                      |
| en m = 3, g                  | g = 4, v =  | 1, u = 2   | c) w  | hen $m = 4$ , $g = 1/4$ , $v = 3$ , $u = -1/4$ |
|                              |   |  |   |  |
|                              |   |  |   |  |
| nen m =-3, g =               | -1/2, v=-1, u   | =-2  | d) V  | When m =1/2, g = 3, v=-1/2, u=-                |
| t                            | a) When $Q = 2$<br>When $Q = 1/3$ , $E = \frac{m}{2g}(v^2)$ | a) When $Q = 2$ , $R = -4$<br>When $Q = 1/3$ , $R = -3/4$<br>that $E = \frac{m}{2g}(v^2 - u^2)$ find P | a) When $Q = 2$ , $R = -4$<br>When $Q = 1/3$ , $R = -3/4$<br>that $E = \frac{m}{2g}(v^2 - u^2)$ find P in each of the | a) When $Q = 2$ , $R = -4$ c) when             |