

**[11-11-28-J10]**

*Assigned problem from text*

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When a polynomial  $f(x)$  is divided by  $x - 2$ , the remainder is 5. When it is divided by  $x - 3$ , the remainder is 9. Find the remainder when  $f(x)$  is divided by  $(x - 2)(x - 3)$ .