Plenum 15/10-3

5.4.1 
$$S = \{b_1, b_2, b_3\}$$
  $D = \{d_1, d_3\}$ 
 $T(b) = -d_1 + 6b_2$ 
 $T(b) = -d_1 + 6b_2$ 
 $T(b) = 4d_3$ 

R.  $A = M = [T(b_1)] = M = [T(b_2)] = M = [T(b_1)] = M = [T(b_1)$ 

$$\frac{3}{9} \text{ Nis or } T \text{ is linear travel} :$$

$$\frac{1}{9} \frac{1}{15} (p(x) + 4(x)) = T(p(x)) + T(q(x))$$

$$\frac{1}{15} = 2t^{2} (p(x) + 4(x)) + p(x) + q(x)$$

$$= 2t^{2} (p(x) + 2t^{2} q(x) + p(x))$$

$$= 2t^{2} (p(x)) + 2t^{2} q(x) + q(x)$$

$$= T(q(x))$$

$$= T(q(x))$$

$$\frac{1}{15} = 2t^{2} (c p(x))$$

$$= T(x) + 2t^{2} (c p(x))$$

$$= C(-1)$$

$$\frac{1}{15} = 2t^{2} + 1$$

Fin basis for 
$$R^2$$
 so.  $V \mapsto AX$  of gift red in disapprodustion.

Prior segments.

\$\frac{\text{5.1.16}}{\times \text{ } \

10.2013.notebook

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$$Q = \overrightarrow{P} \overrightarrow{AP} \qquad \overrightarrow{V} \text{ agreedure for } \overrightarrow{A} \qquad \overrightarrow{V} \text{ agreedure } \overrightarrow{A}.$$

$$\overrightarrow{VS} = \overrightarrow{R} (\overrightarrow{P} | \overrightarrow{X}) = \overrightarrow{P} \overrightarrow{AP} (\overrightarrow{P} | \overrightarrow{X})$$

$$= \overrightarrow{P} \overrightarrow{AP} (\overrightarrow{P} | \overrightarrow{X})$$

$$= \overrightarrow{P} (\overrightarrow{AP} | \overrightarrow{X})$$

$$= \overrightarrow{AP} (\overrightarrow{P} | \overrightarrow{X})$$

$$= \overrightarrow{AP} (\overrightarrow{P} | \overrightarrow{X})$$

$$= \overrightarrow{AP} (\overrightarrow{P} | \overrightarrow{X})$$

$$= \overrightarrow{AP} (\overrightarrow{AP} | \overrightarrow{AP} | \overrightarrow{AP} (\overrightarrow{P} | \overrightarrow{X})$$

$$= \overrightarrow{AP} (\overrightarrow{AP} | \overrightarrow{AP} | \overrightarrow{AP} | \overrightarrow{AP} (\overrightarrow{P} | \overrightarrow{AP} |$$



